ABSTRACT

A method for positioning a digital template of a prosthesis based on computerized measurement of the width of the medullar space in an 2-dimensional projection image of the relevant bone into which the prosthesis is to be inserted, the method comprising detecting, preferably automatically, the edges of the medullar space, the edges being detected in a region of interest; determining a position of the template along, such as parallel to, the main bone orientation in such a manner that one or more points on the template and one or more other points in the image has a pre-defined geometrical relationship; and determining an orientation of the digital template and a position orthogonal to the main bone orientation such that the contours of the templates fit the detected edges of the medullar space.